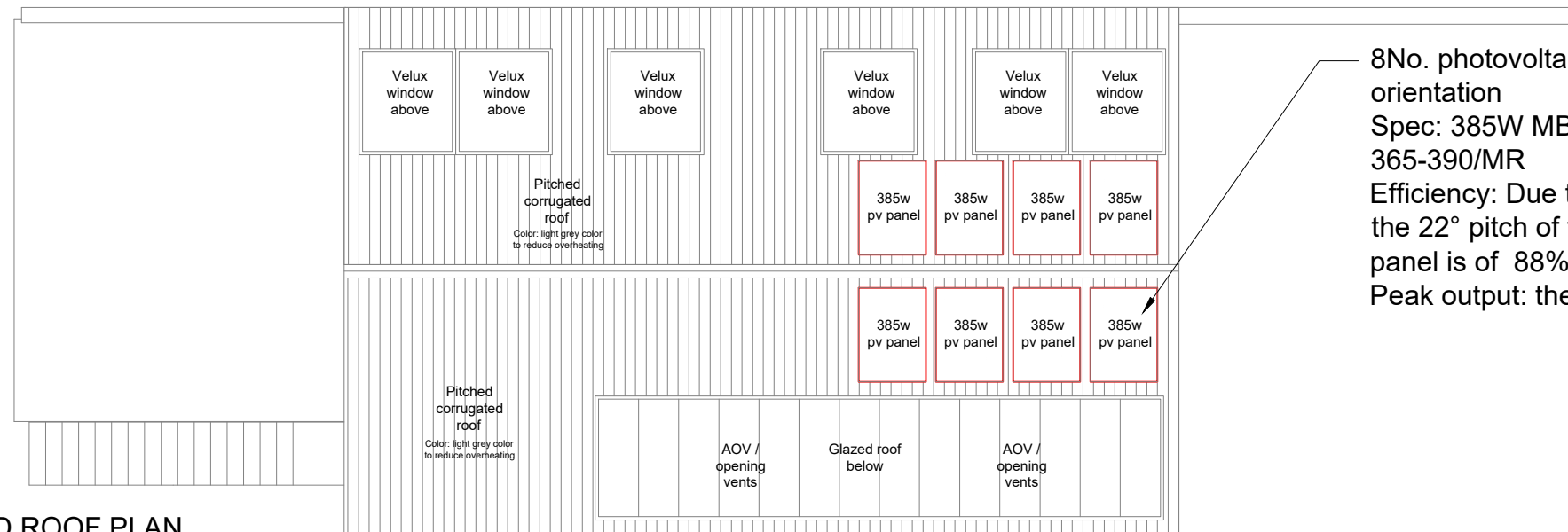
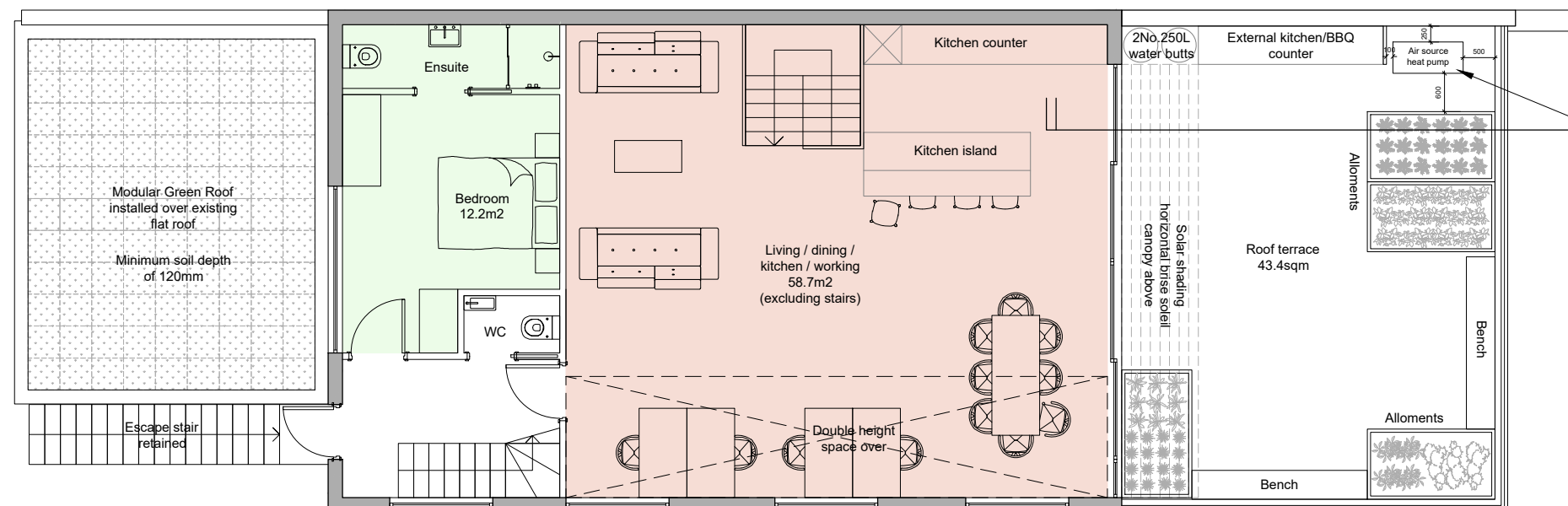




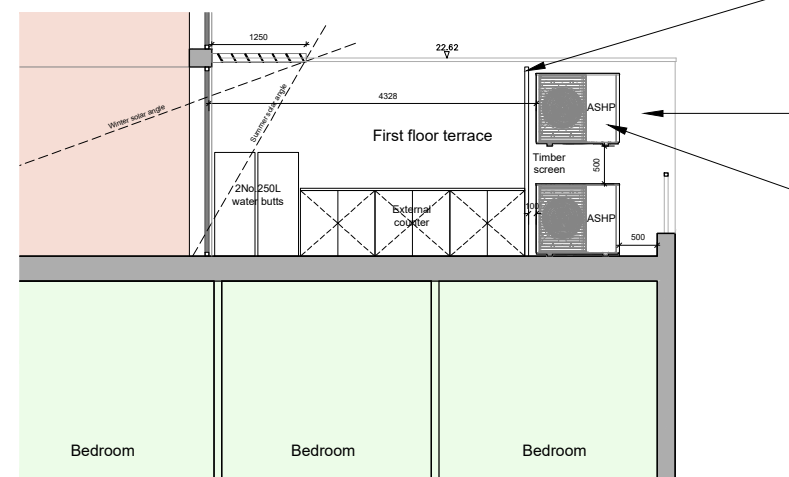
PROPOSED ROOF PLAN

SCALE 1:100



PROPOSED FIRST FLOOR PLAN

SCALE 1:100



PROPOSED SECTION A - Terrace elevation

SCALE 1:100

8No. photovoltaic panels with East/West orientation
Spec: 385W MBB Half-Cell Module JAM60S20 365-390/MR
Efficiency: Due to the East/West orientation and the 22° pitch of the roof, the efficiency of the panel is of 88%.
Peak output: the system will produce 2,71kWp.

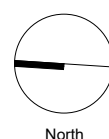


ASHP external units located on the external terrace. Wall mounted.
Spec: 2No. aroTherm Plus 7KW units
Efficiency: the system will supply 124% of the heat demand.
CoP = 7.7
SCoP = 3.39
SPF = 4.2

Timber batten screen for visual and noise mitigation - screen to be lower than existing blockwork wall

Existing blockwork wall

2No. ASHP external units located on the external terrace wall.
Separation between units in line with manufacturer's recommendations.
Units located 4.3m away from the exterior wall of the 1F living space to mitigate noise and visual impact



Scale 1:100



REV	DATE	NOTES	INT	Project title	Scale @ A3
A	23.06.20	ASHP location changed	WP	20015 Arena Centre M	1:100
Drawing title				Proposed MVHR, PV panels and ASHP locations	Drawn JZ Checked WPA
Drawing no.				CD6-001_RevA	